## RZ Ecosystem Partner Solution

# Qt Device Creation

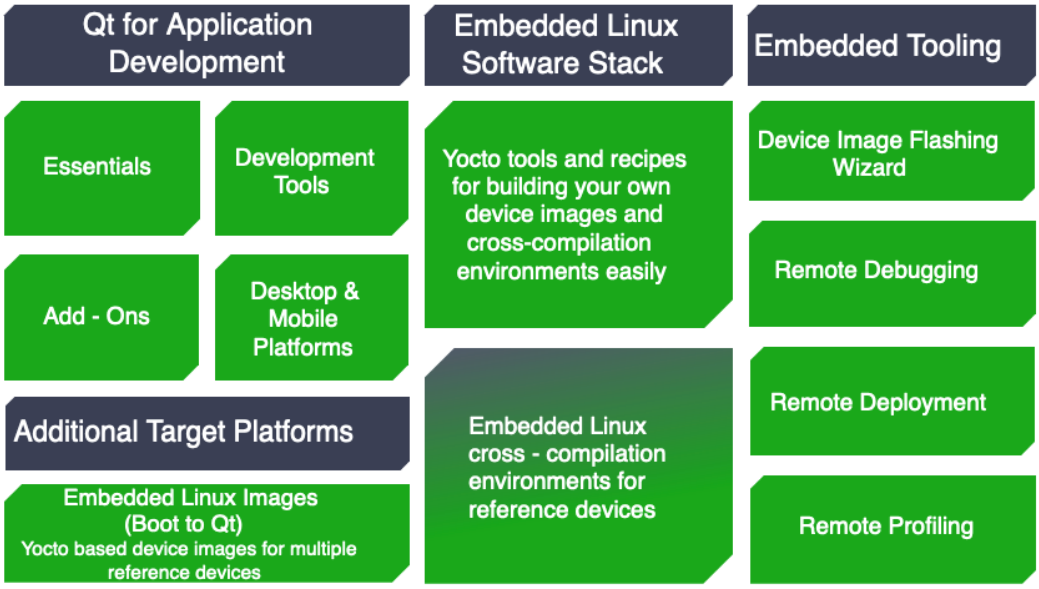
## Solution Summary

Develop a single cross-platform code base using one integrated toolset and target embedded, desktop, and mobile platforms. With the most complete set of libraries for UI development, business logic, and machine-to-machine communication, write less code quickly with an extensible IDE and easy-to-use APIs. Well-tested libraries to improve your code quality, shrink your code base, reduce testing burden, and debug visually for improved code stability.
By utilizing RZ/G2L, 3D, web camera, and multimedia functions can be easily achieved.

## Features/Benefits

- Use Qt Creator IDE to write software in C++, QML, JavaScript, Python, and others
- Compiles source code into native machine code
- Test and debug applications in emulator conditions close to those of the target device
- Include a comprehensive set of libraries optimized for cross-platform development and ready-made functionality
- Quick start-up with Boot 2 Qt
- Allows protecting the source code and intellectual property

## Diagrams/Graphics




## Target Markets and Applications

- For all HMI segments

https://www.qt.io/product/ui-design-tools

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# The Productivity Platform for the Future

## Next generation user experience with limitless scalability. Qt is designed for producing cutting-edge software experiences in record-breaking times.

## Qt 6 framework Essential Modules

Qt Core | GUI | Network | Widgets | Test | QML

Quick | Quick Controls | Quick Dialogs | Quick Layouts | Quick Test | D-Bus

## Qt 6 framework Add-on and other modules (in alphabetical order)

3D | AAOS Car API | Application Manager | Active Qt | Bluetooth | Charts | Charts for MCU | CoAP (M2M) | Concurrent | Cursor Navigation

Data Visualiztn | Design Viewer | Device Utilities | Digital Advertizing | Help | HTTP Server | Interface Framework | Image Formats | Lottie Animation | MQTT (M2M)

Multimedia | Network Authorizn | NFC | OPC UA (M2M) | Open GL | PDF reader | Positioning | Print Support | Python add-ons | Qt 5 Core Compatible

Quick 3D | Quick 3D Physics | Quick Calendar | Quick Timeline | Quick Treeview | Quick Widgets | Remote Objects | Safe Renderer | SCXML | Sensors

Serial Bus | Serial Port | Shader tools | Simulink Support | SQL | State Machine | SVG | Text to Speech | UI Tools | Ultralite (for MCU)

Ultralite Controls | Virtual Keyboard | VNC Server | Wayland Compositor | Web Channel | Web Engine | Web Sockets | Web View | XML


Contact Information

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